TWO-WAY LCD AUTOMATIC/MANUAL
TRANSMISSION REMOTE STARTER
WITH **FULL ALARM SYSTEM**

AS-6850vTW-FM

User Guide

WARNING

It is the responsibility of the vehicle operator to ensure their vehicle is parked in a safe and responsible manner.

1. **a) Manual transmission:** When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in the **NEUTRAL** position and the parking brake is engaged in order to avoid accidents upon remote starting.
   b) Automatic transmission: When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in "Park" in order to avoid accidents upon remote starting.
   (**Note:** Make sure that the automatic vehicle cannot start in "Drive".)
2. It is the user's responsibility to ensure that the remote starter is disabled or put into valet mode before servicing.

Battery Low Voltage Warning

Once the battery is weak, the LCD remote will display a battery low voltage icon and a "L-BAT" indication with 2 beeps to warn the user to change it.

FCC USER NOTICE (U.S.A.):
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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Introduction

This is a state-of-the-art remote alarm/starter combo system. The system is packed with advanced features such as priority access to the driver's door (commodity features) and the safe start children safety feature. With many advanced function, this product will satisfy any of your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

Vehicle Presets

Heater & Heated Seats

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan) as well as heated seats (if equipped) should not be left on **HIGH**. It is recommended to leave the settings on **LOW** or **MEDIUM** instead.

Windshield Wipers, Radio & Headlights

Certain vehicles energize the radio and / or windshield wipers and / or headlight circuits while running under remote start. When leaving the vehicle you must ensure that the windshield wiper and headlight switches are **OFF**. Leaving the headlight switch **ON** on certain types of vehicles could cause them to remain **ON** even after remote starter shut down, resulting in a dead battery.

Using the Transmitter

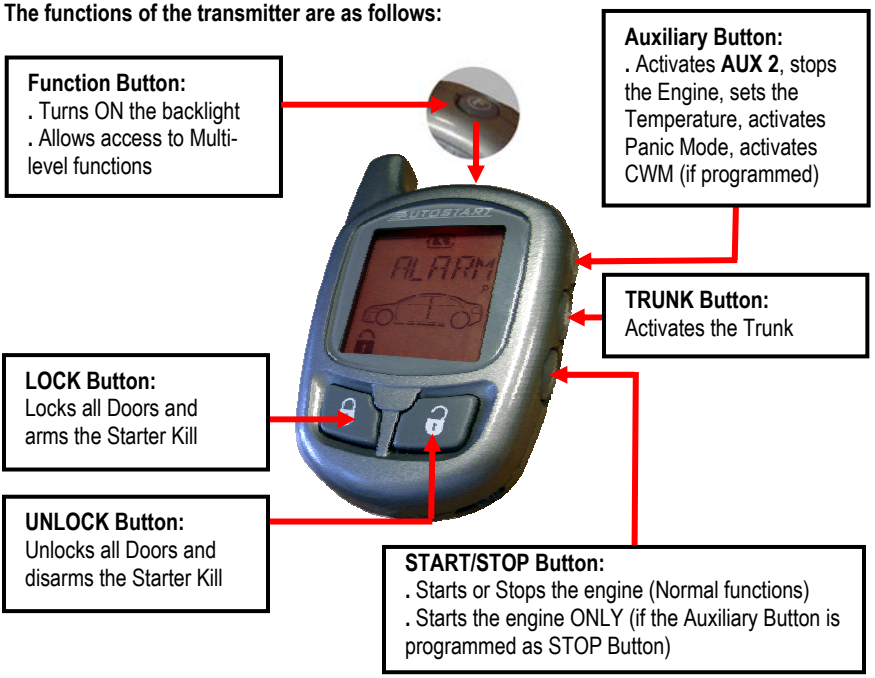
Your remote starter is equipped with a 6-button, multi-channel, 2-way remote control. It can operate two independent vehicles equipped with identical remote starters (see **Multi-car operation** section on page 17).

LCD Remote Functions

The transmitter offers several command-confirmation and timer features. This section explains some of the key functions available. The next section gives a summary of the button combinations used to access the functions.

Note: If you wish to exit a function while still in the process of accessing it, simply stop and wait at least 5 seconds: the transmitter will return to its normal state.

The functions of the transmitter are as follows:


Function Button:
. Turns ON the backlight
. Allows access to Multi-level functions
Auxiliary Button:
. Activates AUX 2, stops the Engine, sets the Temperature, activates Panic Mode, activates CWM (if programmed)
TRUNK Button:
Activates the Trunk
LOCK Button:
Locks all Doors and arms the Starter Kill
UNLOCK Button:
Unlocks all Doors and disarms the Starter Kill
START/STOP Button:
. Starts or Stops the engine (Normal functions)
. Starts the engine ONLY (if the Auxiliary Button is programmed as STOP Button)
ALARM

F Button Functionality:
(By default)

F button	Press less than 3 seconds	LCD display	Press less than 1 second
1x	Level 1	L – 01	Enables backlight
2x	Level 2	L – 02	Enables backlight
3x	Level 3	L – 03	Enables backlight
4x	Enters programming mode	MENU	Enables backlight

Note: The order of **LEVELS** and **MENU** can be re-arranged in the menu option **FBPRO**.

Backlight:

Press and hold the F button (for more than 3 seconds and less than 5 seconds), to turn the Backlight **ON** for 3 seconds. If the F button is pressed down for more than 5 seconds, the backlight will stay **ON** until the F button is released. A quick way to access the backlight is to press the F button quickly (for less than 1 second); the backlight will turn on until the **MENU** operation ends.

Button F	Backlight
Press for < 1 second	Backlight **ON** until **MENU** operation ends.
Press for > 3 seconds and < 5 seconds	Backlight **ON** for 3 seconds.
Press for > 5 seconds	Backlight will stay **ON** until button F is released.

Selecting and Adjusting Menu options:

- When in **MENU**, press button to enter the menu.
- Press button to move up in the menu or button to move down in the menu.
- Press button to select the option you would like to adjust.
- Press button to increase the value, to activate or deactivate a function or to toggle through the selection.
- Press button to decrease the value, to activate or deactivate a function or to toggle through the selection.
- Press button to move to the next sub-option or go back to the main menu.

Order	Menu Option	LCD display	Functions
1	**Parking Menu**	**PARK**	
	Parking hours	**P 0:00** *0 is flashing*	Adjusts parking hour (value from 0 to 2).
	Parking minutes	**P 0:30** *30 is flashing*	Adjusts parking minute (value from 0 to 59).
	Toggle Parking countdown	**P -- ON +** *Or* **P – OFF**	Enables or disables parking countdown. There is a beep 5 min. before the Parking countdown reaches 0.
2	**F Button Function Menu**	**FBPRO**	**F Button Programming**
	FB Programming	**1 2 3 M** **2 3 1 M** **2 1 3 M** **3 1 2 M** **M 1 2 3**	
3	**Illumination Menu**	**ILLUM**	
	Toggle Illumination Mode	**ON** *Or* **OFF**	**ON** – basic operation with backlight illumination; **OFF** – basic operation without backlight illumination.
4	**Keypad Lock Time Menu**	**KELOC**	
	Keypad lock time	**05** **10** **20**	When SECURE is ON, Keypad will be locked automatically 5 sec./10 sec./20 sec. after the MENU operation ends.
5	**Side Button Program Menu**	**SBPRO**	**AUX Button Programming**

	Side Button Programming	**TEMP** **STOP** **PANIC** **CWM** **AUX**	
6	**Language Menu**	**LANGU**	
	Language	**ENG** *Or* **FRAN**	English is default.
7	**Temperature Menu**	**TEMP**	
	Temperature	**CTEMP** *Or* **FTEMP**	Deg. Celsius or Fahrenheit Deg. Celsius is default.
8	**Clock Menu**	**CLOCK**	
	Clock hours	**12:00** 12 is flashing	Adjusts clock hour (value from 0 to 12).
	Clock minutes	**12:00** 00 is flashing	Adjusts clock minute (value from 0 to 59).
9	**Confirmation Mode Menu**	**CONFM**	
	Confirmation Mode	**BZVIB** *Or* **BLITE**	Buzzer or Vibration option. Red Backlight option for alarm.
	Toggle BZVIB	**BUZ** *Or* **VIB + vib ICON**	Buzzer Vibration
	Toggle BLITE	**ON** *Or* **OFF**	Red backlight flashing when alarm. No red backlight flashing when alarm.
10	**Backlight Color Menu**	**COLOR**	
	Backlight	There are 8 different colors. **C1-C8**	Blue light is default.
11	**SECURE Menu**	**SECUR**	**Locks the transmitter's keypad.**
	Toggle lock remote	**ON** *Or* **OFF**	ON – locks the transmitter's keypad. OFF – unlocks the transmitter's keypad.
12	**Time Start Menu**	**TSTAR**	
	Time start hours	**T 12:00** 12 is flashing	Adjusts time start hour (value from 0 to 12).
	Time start minutes	**T 12:00** 00 is flashing	Adjusts time start minute (value from 0 to 59).
	Toggle time start	**T – ON +** 🔔 *Or* **T – OFF**	Enables or disables.
13	**VALET Menu**	**VALET**	
	Valet Mode options	VLTAM VLTST CMVLT	Valet Alarm Mode Valet Start Mode Combo Valet Mode
	Toggle Valet Mode	**ON** *Or* **OFF**	
14	**CWM Menu**	**CWM**	**Cold Weather Mode**
	Toggle CWM Mode	**ON** *Or* **OFF**	

15	Alarm Clock Menu	ALARM	
	Alarm hours	**A 12:00** **12 is flashing**	Adjusts alarm hour (value from 0 to 12).
	Alarm minutes	**A 12:00** 00 is flashing	Adjusts alarm minute (value from 0 to 59).
	Toggle alarm	**A – ON +** *Or* **A – OFF**	Enables or disables alarm.

Parking Countdown
This version of the countdown feature is particularly useful for keeping track of parking meter time: The user may quickly set up the countdown using the **Parking Menu**. The transmitter will beep once, 5 min. before the Parking countdown reaches 0.

Alarm Clock
The LCD remote control has a built-in alarm clock, which can be set up using the **Alarm Clock Menu**. Once the programmed time is reached, the remote will beep 6 times every minute until a button is pressed.

CWM Menu:
When this feature is enabled, press for 3 sec. to enter or exit Cold Weather Mode. If disabled, press F (enter L-01) ⟶ button to enter or exit Cold Weather Mode.

Valet Menu:
When this feature is enabled, press for 3 sec. to enter Valet Mode. When this feature is disabled, press + buttons simultaneously.

Time Start Menu:
This feature is used to remote start the car at a pre-programmed time. Once the pre-programmed time is reached, the remote will send a start command to the car module.

Note: The car will only start once.

Secure Remote Feature:
This feature is used to lock the keypad of the transmitter to avoid an accidental button press. When the remote is locked and a button (except F) is pressed, the LCD will display "**PRESF**" for 1 second and go back to the clock.
The transmitter keypad can also be locked as follows:

- Press F to go to Menu
- Within 3 seconds, press

Press F for about 1 second to unlock the transmitter's keypad. At the same time, the LCD screen will display "**PRESb**" for 1 second and then go back to the clock.

Clock Menu:
The Clock menu is used to set the current time on your remote control.

F Button Function Menu:
The order of **LEVELS** and **MENU** can be re-arranged using the F Button Function Menu.

Button Operation:

Button	LCD	Sound
Lock button	**+ LOCK**	1 beep
Unlock button	**+ UNLOCK**	2 beeps
Trunk button	**TRUNK** text for 1 sec.	1 beep
Start button	**START** text for 1 sec., + backlight user selected for 2 sec.	1 beep
Engine running	run time + icon + blue backlight for 3 sec.	3 beeps
Engine stop	red backlight on for 3 sec.	2 beeps
AUX Button	**TEMP** - displays temperature + backlight user selected for 3 sec. **STOP** - transmits Engine stop code **PANIC** - transmits PANIC Mode code **CWM** - transmits CWM code **AUX** - transmits AUX code	1 beep 2 beeps
Unlock+Start buttons	valet icon if pressed more than 3 sec.	1 beep
Lock+Unlock buttons	same as **AUX** button	-
Trunk+Lock buttons (2nd car operation)	**+ LOCK**	1 beep
Trunk+Unlock buttons (2nd car operation)	**+ UNLOCK**	2 beeps
Trunk+Start buttons (2nd car operation)	**START** text for 1 sec.	1 beep
L --01 → Lock button		1 beep
L --01 → Unlock button		1 beep
L --01 → Trunk button	temperature + backlight user selected for 3 sec.	
L --01 → Start button (pressed more than 3 sec.)	**CWM** or **MTF** text for 1 sec.	1 beep
L --02 → Lock button (2nd car lock)	**LOCK +**	1 beep
L --02 → Unlock button (2nd car unlock)	**UNLOCK +**	2 beeps
L --02 → Trunk button (2nd car trunk)	**TRUNK** text for 1 sec.	1 beep
L --02 → Start button (2nd car start)	**START** text for 1 sec.	1 beep
L --03 → Lock button (Channel 1)		1 beep
L --03 → Unlock button (Channel 2)		1 beep
L --03 → Trunk button (Channel 3)		1 beep
L --03 → Start button (Channel 4)		1 beep

Remote Starting Your Vehicle

If your vehicle has an **automatic transmission**, simply press the button to remote start or stop your vehicle. Please see "**Remote starting**" below.

Warning: If you vehicle has an automatic transmission and the parking lights flash 15 times after pressing the button, please see your installer as programming will have to be modified.

Setting Your Vehicle Into Ready Mode

If your vehicle has a **manual transmission** you must read the following indications. In order to start the vehicle by remote, the unit must first be set to Ready Mode. If the unit is not set to Ready Mode, it cannot remote start the vehicle.

Please note that Ready Mode can be enabled by the remote or the handbrake, depending on the option that was selected by your installer. Therefore, you must follow the appropriate procedure between the two described below in order to set your vehicle into Ready Mode.

Once the system is set to Ready Mode, the vehicle can be remote started and stopped at any time. The system will exit Ready Mode if a door, the hood or the trunk is opened, if the brake pedal is pressed, if the parking brake is disengaged or if the ignition key is turned to the **IGNITION ON (RUN)** position.

To set the system to Ready Mode:

If Ready Mode is enabled by remote	If Ready Mode is enabled by handbrake
1. Ensure that all the doors, hood and trunk are closed. Make sure that the gear selector is in the neutral position.	
2. With the engine already running, apply the parking brake **once** and release the brake pedal. **Make sure to release the brake pedal.**	2. With the engine already running, apply the parking brake **twice** and release the brake pedal. **Make sure to release the brake pedal.** **The parking lights will flash 3 times quickly and remain lit.** **Skip to step 4.**
3. Within 20 sec. of engaging the parking brake, press and hold **LOCK**, **UNLOCK** or **START/STOP** on the transmitter. **The parking lights will flash 3 times quickly and remain lit.**	-
4. Remove the key: the engine will continue running.	
5. Exit the vehicle and close all doors, hood and trunk.	
6. Press for approx. 1 second either: a. **LOCK** to lock the doors and shut down the engine; b. **UNLOCK** to unlock the doors and shut down the engine; c. **START/STOP** to shut down the engine without affecting the doors.	
7. The Ⓡ icon will appear on your screen.	

Remote Starting

Press the ⚡ button for approximately 1 second. The LCD will display "**START**" with the backlight **ON** for 1 second. The parking lights will come **ON** to inform you that the remote starter has received your signal. Approximately 5 seconds later, the engine will start. The parking lights will remain **ON** during the pre-programmed run time of the engine.

If the vehicle does not start at the first attempt, the system will shut down. If your vehicle is equipped with an automatic transmission, there will be 3 start attempts before the system gives up.

Driving Off

With the vehicle running under remote start, press the 🔓 button to disarm the security system (this will also unlock the doors). Enter the vehicle and do the following:

1. Turn the ignition key to the **IGNITION ON (RUN)** position. (**Do not turn the key** to the **CRANK** position while the engine is running. This would cause the starter motor to re-engage.)
2. Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

Arming the Starter Kill

The Starter Kill (if installed) can be configured by the installer so as to arm automatically (passive mode) or not to arm automatically (active mode).

- To **disarm** the Starter Kill, press the button on the transmitter.
  The parking lights will flash twice.
  If remote door locks are installed, this will also unlock the doors.
- To **arm** the Starter Kill, press the button on the transmitter.
  The parking lights will flash once.
  If remote door locks are installed, this will also lock the doors.
- In **passive mode**, the Starter Kill will automatically arm if the key is not inserted into the ignition switch within 30 seconds after unlocking (the Key Sense feature must be installed).

Alarm Functions

When an intrusion from door, hood, trunk, shock or ignition is detected, the remote will send beeps or vibrate for about 60 seconds. At the same time, the LCD remote will display "**ALARM**" and "**DOOR / HOOD / TRUNK / SHOCK / real time**" (depending on the type of alarm) alternately. The icons of door, hood, trunk and shock, as well as the red backlight, will be flashing (when the **BLITE** is set **ON**).

Alarm Type	LCD Text	Icon(s)	Sound or Vibration
DOOR	ALARM + DOOR	Car front view outline + door open and closed	60 seconds
HOOD	ALARM + HOOD	Car side view outline + hood up and down	60 seconds
TRUNK	ALARM + TRUNK	Car side view outline + trunk up and down	60 seconds
SHOCK	ALARM + SHOCK	Car front view outline + shock sensor flashing	60 seconds
IGNITION	ALARM + real time	NONE	60 seconds

The user can press the or button to stop the alarm (unless TWO-STAGE Mode has been programmed – one press then only mutes the siren; the user needs to press twice in order to disarm the system).

Remote Starter Features

Idle Mode

Convenience feature: Idle Mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no Key in the Ignition Switch) while the engine is running.

To leave the vehicle in Idle Mode if your vehicle has an automatic transmission:

1. With the engine running, make sure to release the brake pedal and press the or button (to unlock the doors) or the button on the remote control until the parking lights come on or you hear a series of clicks.
2. Remove the key and exit the vehicle. The engine will continue running.
3. Lock the doors if needed.

The engine will continue running until the user re-enters the vehicle or until the expiration of the Engine Run Time.

If your vehicle has a **manual transmission**, Idle Mode can be activated through the same routine as that used for Ready Mode; for the last step, the button is pressed instead of the other buttons:

1. Ensure that all the doors, hood and trunk are closed and that the shifter is in the neutral position.
2. With the engine already running, apply the parking brake and release the brake pedal.
   Make sure to release the brake pedal.
3. Within 20 sec. of engaging the parking brake, press , or on the transmitter.
   The parking lights will flash 3 times quickly and remain lit.
4. Remove the key; the engine will continue running.
5. Exit the vehicle and close all doors, hood and trunk.
6. Press the button until you hear a chirp (the doors will lock if remote door lock is installed, and the system will arm).

If the pre-programmed run time expires or if the user shuts down the engine by remote control, the vehicle will get in Ready Mode.

Caution!!! Do not leave children or pets unattended in a vehicle that is in Idle Mode.

Valet Modes

There are 3 sorts of Valet Modes: Combo Valet, Valet Start and Valet Alarm. When your vehicle is in Combo Valet Mode, both the remote starter functions and the alarm functions are disabled. When your vehicle is in Valet Start Mode, only the remote starter functions are disabled. When your vehicle is in Valet Alarm Mode, only the alarm functions are disabled.

Combo Valet Mode

There are 3 different ways to get in and out of Combo Valet Mode:

1- Getting *into* Combo Valet Mode using the ignition key:

- Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.
- The parking lights will flash **three times** and the LED on the antenna will remain **ON** solid to indicate that the vehicle is now in Valet Mode.
- The AVS icon will appear on your LCD remote.

1- Getting *out of* Combo Valet Mode using the ignition key:

- Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.
- The parking lights will flash **twice** and the LED on the antenna will turn **OFF** to indicate that the vehicle is now out of Valet Mode.
- The AVS icon will disappear from your LCD remote.

2- Getting *into* Combo Valet Mode using combined buttons on the transmitter:

- Hold the and buttons simultaneously for 3 seconds.
- The parking lights will flash **3 times** and the LED on the antenna will remain **ON** solid.
- The icon will appear on your LCD remote.

2- Getting *out of* Valet Mode using combined buttons on the transmitter:

- Hold the and buttons simultaneously for 3 seconds.
- The parking lights will flash **2 times** and the LED on the antenna will turn **OFF**.
- The icon will disappear from your LCD remote.

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3- Getting *into* Combo Valet Mode using the button on the transmitter:

- Press the button to go to the **MENU**.
- Press or to go to the **VALET MENU**.
- Press to go to the next stage **MENU**; press or to choose the **CMVLT (COMBO VALET)** Mode.
- Press to go to the next stage **MENU**; press or to choose the **ON**.
- Press and hold for 5 seconds.
- The parking lights will flash **3 times** and the LED on the antenna will remain **ON** solid.
- The icon will appear on your LCD remote.

3- Getting *out of* Combo Valet Mode using the button on the transmitter:

- Press the button to go to the **MENU**.
- Press or to go to the **VALET MENU**.
- Press to go to the next stage **MENU**; press or to choose the **CMVLT (COMBO VALET)** Mode.
- Press to go to the next stage **MENU**; press or to choose the **OFF**.
- Press and hold for 5 seconds.
- The parking lights will flash **2 times** and the LED on the antenna will turn **OFF**.
- The icon will disappear on your LCD remote.

Valet Start Mode

This feature will allow you to put your system into Valet Start Mode by using the transmitter.

Getting *into* Valet Start Mode

- Press the button to go to the **MENU**.
- Press or to go to the **VALET MENU**.
- Press to go to the next stage **MENU**; press or to choose the **VLTST (VALET START)** Mode.
- Press to go to the next stage **MENU**; press or to choose the **ON**.
- Press and hold for 3 seconds.
- The parking lights will flash **3 times** and the LED on the antenna will remain **ON** solid.
- The icon will appear on your LCD remote.

Getting *out of* Valet Start Mode

- Press the button to go to the **MENU**.
- Press or to go to the **VALET MENU**.
- Press to go to the next stage **MENU**; press or to choose the **VLTST (VALET START)** Mode.
- Press to go to the next stage **MENU**; press or to choose the **OFF**.
- Press and hold for 3 seconds.

- The parking lights will flash **2 times** and the LED on the antenna will turn **OFF**.
- The Vs icon will disappear on your LCD remote.

Valet Alarm Mode

This feature will allow you to put your system into Valet Alarm Mode by using the transmitter.

Getting *into* Valet Alarm Mode

- Press the F button to go to the **MENU**.
- Press or to go to the **VALET MENU**.
- Press to go to the next stage **MENU**; press or to choose the **VLTAM (VALET ALARM)** Mode.
- Press to go to the next stage **MENU**; press or to choose the **ON**.
- Press and hold for 3 seconds.
- The parking lights will flash **3 times** and the LED on the antenna will remain **ON** solid.
- The AV icon will appear on your LCD remote.

Getting *out of* Valet Alarm Mode

- Press the F button to go to the **MENU**.
- Press or to go to the **VALET MENU**.
- Press to go to the next stage **MENU**; press or to choose the **VLTAM (VALET START)** Mode.
- Press to go to the next stage **MENU**, press or to choose the **OFF**.
- Press and hold for 3 seconds.
- The parking lights will flash **twice** and the LED on the antenna will turn **OFF**.
- The AV icon will disappear on your LCD remote.

Panic Mode

In an emergency situation, you can activate Panic Mode by pressing and holding the or button for 3 seconds. If the vehicle is under a remote start, the engine will shutdown automatically before setting off the horn/siren. You can stop the horn/siren by pressing (this will lock your doors) or by pressing (this will unlock your doors if single-stage disarm is enabled).

Furthermore, the Panic Mode can be stopped by activating one of the following three (3) features:

a) Remote Valet
b) Ignition Valet
c) By turning the key to the **ON** position, then pressing the Valet Switch (if included)

Panic Mode will automatically shut down after 25 seconds if the user does not stop it first.

Quick Lockout (Secure Panic)

For fast protection in emergency situations, the system will **LOCK** all doors when you **press the brake pedal while you hear the sound signal**. (**Quick Lockout** is only available when **Panic Mode** has been set off.)

Cold Weather Mode

If your vehicle has a manual transmission, Ready mode should be set before entering Cold Weather mode. When cold weather mode is active, the engine starts every 2 hours and runs for 3 minutes (or 8 or 20 minutes with diesel engines). Cold weather mode automatically ends after 24 hours (or 12 starts).

To *enter* Cold Weather Mode:

- Press and release the F button and you will hear a beep; **L-01** will appear on the display. Press and hold the button for 3 seconds until the parking lights flash **three times**.

The remote control will beep once and the A icon will appear on the display.

To *exit* Cold Weather Mode, do any one of the following actions:

- Open the hood.
- Start the engine by remote.
- Turn the key to the **IGNITION ON (RUN)** position.
- Press and release the F button and you will hear a beep; L-01 will appear on the display. Press the ⚡ button for 3 seconds (the parking lights will flash **once**).

When the system exits Cold Weather Mode, the remote control will beep once and the A⚡ icon will disappear.

To verify whether the system is in Cold Weather Mode:

- Press the brake pedal: If the vehicle is in Cold Weather Mode, the parking lights will stay on while the pedal is pressed.

How to access Cold Weather Mode

Function	Button pressed	Icon	Sound	Instructions /description
To enter Cold Weather Mode	F + ⚡	A⚡	Beep	Press F and hold ⚡ for 3 seconds.
To exit Cold Weather Mode	F + ⚡	None	Beep	

Extended Run Time

While the vehicle is running under a remote start, **pressing and holding the ⚡ button for more than 3 seconds** will reset the run time counter to zero and restart the run time cycle from the beginning. There will be three beeps and the parking lights will flash three times. **The extended run time procedure can only be carried out once per remote start.**

To stop the vehicle, at any moment, simply press the ⚡ button.

Example: If your remote car starter is programmed for a run time of 3 minutes and your vehicle has been running for 2 minutes already, pressing the ⚡ button will reset the counter to zero and allow the engine to run for another cycle (in this case, 3 minutes).

Advanced Features: Installation-programmable Options

The remote starter was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

Caution: The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your remote starter.

Remote Door Locks

If your remote starter was installed with the remote door locks option, you will have the convenience of remote keyless entry. See section "**Arming the Starter Kill"**, on page 9, for further instructions on remote door locking and unlocking.

Priority Door Access

If the priority door locks option is installed on your vehicle, this safety feature allows you to unlock solely the driver's door with a single press of the 🔓 button on the transmitter. Upon a second press of the 🔓 button, all the other doors will unlock.

Note: Most vehicles require the use of an additional relay for this option; please consult with your installer.

Ignition-Controlled Door Locks

This is an added security feature. If your remote starter was installed with the ignition-controlled door locks option, the doors will automatically lock as soon as the key is turned to the **IGNITION ON (RUN)** position while the brakes are pressed. The remote car starter will also lock any door that was unlocked and opened (then closed) the next time the break pedal is pressed. When the key is turned to the **OFF** position, the doors will automatically unlock.

Relock

If you unlock the doors with the remote transmitter, but do not open any door, hood, trunk or turn ignition **ON** within 30 seconds, the system will automatically relock and arm.

> **Note:** When the system is in **active arming** mode and the **relock** mode is enabled, the doors will relock but the system will not rearm.

Secure Lock

(Only for certain vehicles.) Before it can remote start your vehicle, the remote starter must first disarm the factory security system. The secure lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.

To keep your vehicle protected when the factory security system is disarmed for a remote start, secure lock will relock your doors as soon as the vehicle has started. Once the engine run cycle ends, secure lock will rearm your factory security system.

Remote Trunk Release

If your system was installed with the Remote Trunk Release option, you can open your trunk by pressing the button for 3 seconds on the remote transmitter, or by pressing the button twice within 3 seconds.

> **Note:** When pressing the button, the trunk will open and the security system will disarm. If your vehicle is in passive mode, the system will rearm after a 30-sec. delay once the trunk is closed. If your vehicle is in ready mode, it will be cancelled as soon as the trunk opens.

The Starter Kill and Anti-grind Feature

With this added security feature, the system will prevent your vehicle from starting with the ignition key when armed. If your remote starter was installed with the starter kill option, one will not be able to start your vehicle with the key unless the system has been unlocked and disarmed first, or put into valet mode.

> **Note:** If the starter kill is installed, your vehicle will benefit from a protection against starter motor damage that could occur after remote starting the engine (should the user, by force of habit, turn the ignition key to the **CRANK** position).

Safe Start Mode

If this feature is enabled, the user must press the button twice within 3 seconds to remote start the vehicle. This will eliminate accidental remote starts, e.g., when children are playing with the transmitter.

If Swap Start Mode is selected, to remote start your vehicle, press the F button and then the button. The **AUX 2** output can be activated by pressing the button.

How to Access Safe Start Mode

Function	By pressing	Icon	Sound	Instructions / description
Start on Safe Start Mode	x 2		Melody	Press twice within 3 seconds. Press for 1 sec-melody-then press 1 sec.
Stop on Safe Start Mode		None	Melody	

Installer-programmable Valet Modes

Valet Mode Using the Valet Switch (*if installed*)

When your vehicle is in Valet Mode, the remote starter functions are disabled. If the vehicle needs to be serviced, or if you park it indoors, the Valet Mode will prevent the engine from being remote started accidentally.

To put the system *into* valet mode:

- Turn the key to the **IGNITION ON (RUN)** position.
- Within 3 sec., press the valet button for 1 second.
  The parking lights will flash three times to indicate that the vehicle is now in valet mode.
- Turn the key to the **OFF** position.
  The LED on the antenna will come ON solid.

To take the system *out of* valet mode:

- Turn the key to the **IGNITION ON (RUN)** position.
- Within 3 sec., press the valet button for 1 second.
  The parking lights will flash twice to indicate that the vehicle is now out of valet mode.
  The LED will go out or start to flash.

Note: Once valet mode is activated, the remote starter and alarm functions will be disabled.

Home Valet Mode

If configured at installation, this feature will set the vehicle to a no-remote-start mode: if the vehicle is parked indoors there is no danger of it starting accidentally by remote control.

Note: Once the Home Valet Mode is activated, the vehicle will not start by remote but the alarm functions will still be active.

To take the system *into* Home Valet Mode:

- Press the or button.
- Within 3 seconds, press the and buttons simultaneously until the parking lights turn **ON**, then release both buttons.
- The icon will appear on your LCD remote.

To take the system *out of* Home Valet Mode:

- Turn the ignition key to the **IGNITION ON (RUN)** position.

The system will warn you if someone attempts to start your vehicle while it stands in Home Valet Mode. The parking lights will:

1- Turn **ON** then **OFF**; then
2- Flash **twice**, pause; then
3- Flash **twice** again.

How to Access Home Valet Mode

Function	By pressing	Icon	Sound	Instructions / description
To enter Home Valet Mode	**Step 1 :** or **Step 2 :** + simultaneously within 5 sec.	VS	1 beep	Press or . Within 5 seconds, press + . The transmitter will display VS and there will be 1 beep.
To exit Home Valet Mode	None	None	None	Insert key in ignition switch and turn to the **ON** position. The icon will disappear.

Turbo Mode

If Turbo Mode is configured at installation, it will allow a turbocharger to idle down after the user leaves the vehicle (the unit will take over the vehicle and keep it running for 60 seconds or until it is shut down by remote control). The vehicle will remain in Ready Mode.

If your vehicle has an automatic transmission, proceed as follows to set the system in Turbo Mode:

1. With the engine already running, release the brake pedal and press the , or button on the transmitter until the parking lights come **ON** and you hear a series of clicks.
2. Remove the key from the ignition switch. **The engine will continue running.**
3. Exit the vehicle and close all doors, hood and trunk.
4. **Press the button (this will lock the doors; the engine will shut down after 60 seconds of Turbo Mode).**

If your vehicle has a manual transmission, follow all steps of the Ready Mode routine to activate Turbo Mode:

1. Ensure that all doors, hood and trunk are closed and that the shifter is in the neutral position.
2. With the engine already running, apply the parking brake and release the brake pedal. **Make sure to release the brake pedal.**
3. Within 20 sec. of engaging the parking brake, press , or on the transmitter. **The parking lights will flash 3 times quickly and remain lit.**
4. Remove the key: The engine will continue running.
5. Exit the vehicle and close all doors, hood and trunk.
6. Press and hold either:
   a. to lock the doors and shut down the engine after 60 sec.;
   b. to unlock the doors and shut down the engine after 60 sec.;
   c. to shut down the engine immediately, without affecting the doors (this will bypass Turbo Mode).
   d. **TO SET THE VEHICLE INTO IDLE MODE.**

Engine Run Time

If you have a gas engine, your remote starter can be programmed to run the engine for 3, 15, or 25 minutes (15 minutes by default). If you have a diesel engine, the remote starter can be programmed to run the engine for 8, 20, or 30 minutes (20 minutes default).

How to Access Run Time Status (Indications purposes only)

Function	By pressing	Icon	Gasoline	Diesel
Engine runtime			3 minutes	8 minutes
			15 minutes	20 minutes
			25 minutes	30 minutes

Temperature Request (If ACC-Temp-101 installed)

The user can request the temperature in the vehicle if a Temperature Sensor Module (ACC-Temp-101) is installed:

- Press the F button for 1 second and release; you will hear a beep. L-01 will appear on the screen.
- Immediately press the button and hold it until the temperature is displayed on the LCD screen.

Note: to change the temperature from Celsius to Fahrenheit, the user needs to refer to the **MENU**.

Horn Chirp Timing

The pulse duration can be configured by your installer (from 5 ms. to 200 ms.).

Pager Function

This function will help you find the remote. By pressing the Valet button for 3 seconds, you will trigger the pager function. The remote will beep to inform you of its location. User can press the **LOCK** or **UNLOCK** button to stop the beeping of the remote once it is found.

Multi-car Operation

This option allows the owner of two vehicles, both equipped with the same remote starter model, to control both systems independently with a single remote control. To control the second vehicle:

Press + simultaneously: ..... **LOCK**
Press + simultaneously: ..... **UNLOCK**
Press + simultaneously: ..... **START**
Press + simultaneously: ..... **STOP**
Press F > F > : ..... **TRUNK**

or

Press F > F > : ..... **LOCK**
Press F > F > : ..... **UNLOCK**
Press F > F > : ..... **START**
Press F > F > : ..... **STOP**
Press F > F > : ..... **TRUNK**

LCD Transmitter Operation and Confirmation (Second Car Control)

Basic Operations

Function	Button press	Icon	Sound
Lock	+		1 beep
Unlock	+		2 beeps
Start	+	Run time +	3 beeps
Stop	+	none	2 beeps
Trunk	F > F >	flashing 1 sec.	1 beep

Start/Stop While in Safe Start Mode

Function	Button press	Icon	Sound	Description
Start on Safe Start Mode	+ x 2	run time +	3 beeps	Press + simultaneously twice within 3 seconds. Press for 1 second - a beep will be heard - then press 1 second and a beep will be heard again.
Stop on Safe Start Mode	+	None	2 beeps	

Multi-Level Features (default state)

The multi-level features allow you to access different features of your vehicle or of a second car by pressing the F button once, twice or three times. By default, the multi-level features are programmed as follows:

Basic Features (*press the* F button *1X)*

F > ..... AUX 2

F > ..... cold weather

Multi-Car Operation (*press the* F button *2X)*

F > F > : ..... 2nd car lock

F > F > : ..... 2nd car unlock

F > F > : ..... 2nd car start/stop

F > F > : ..... 2nd car trunk

Customized Features (*press the* F button *3X)*

(*May not be compatible with some vehicles*)

Your installer can add customized features such as turning on the radio, opening sliding doors, etc.

F > F > F > : customized feature 1

F > F > F > : customized feature 2

F ➢ F ➢ F ➢ : customized feature 3

F ➢ F ➢ F ➢ : customized feature 4

Accessing the Multi-Level Features and Other Transmitter Functions

- **To access a Level 1 feature**, press and release the F button and you will hear a "beep"; L-01 will be displayed. This display means that you are now in Level 1. Simply press the corresponding button to access the desired feature.
- **To access a Level 2 feature**, press and release the F button and you will hear a "beep"; L-02 will be displayed. This display means that you are now in Level 2. Simply press the corresponding button to access the desired feature.
- **To access a Level 3 feature**, press and release the F button and you will hear a "beep"; L-03 will be displayed. This display means that you are now in Level 3. Simply press the corresponding button to access the desired feature.

Your installer can customize the system as to personalize these multi-level features in an order that best suits your needs. Your options are:

Option 1:		
Level 1 (requires pressing the F button 1X)	→	Multi-car operation
Level 2 (requires pressing the F button 2X)	→	Basic features
Level 3 (requires pressing the F button 3X)	→	Customized features
Option 2 (on by default)**:**		
Level 1 (requires pressing the F button 1X)	→	Basic features
Level 2 (requires pressing the F button 2X)	→	Multi-car operation
Level 3 (requires pressing the F button 3X)	→	Customized features
Option 3:		
Level 1 (requires pressing the F button 1X)	→	Customized features
Level 2 (requires pressing the F button 2X)	→	Multi-car operation
Level 3 (requires pressing the F button 3X)	→	Basic features
Option 4:		
Level 1 (requires pressing the F button 1X)	→	Basic features
Level 2 (requires pressing the F button 2X)	→	Customized features
Level 3 (requires pressing the F button 3X)	→	Multi-car operation

Example: If the multi-level features were set to option 3, the setup would be as follows:
For **"**Basic features":

- To access the **AUX 2** feature, the user needs to press on the F button three (3) times followed by the button.
- To access Cold Weather Mode, the user needs to press on the F button three (3) times followed by the button.

Troubleshooting Transmitting Range

Many factors may affect the operating range of the transmitter. Some of these are:

- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers…)
- Metal: any type of metal will affect operating range. This includes the vehicle itself.
- The shape of the vehicle can affect range as well (vans in general have less range).
- The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on (standing in front of the vehicle) generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.
- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height.

The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm

Diagnostics – Parking Light Flash Table

Flashes	Description	
1	• Doors locked, alarm and starter kill armed • Run time has expired • **TRUNK** button pressed	• Start signal received by the module • Cold weather mode cancelled
2	• Remote start attempt cancelled by remote • Doors unlocked, starter kill disarmed • Exiting ignition valet • Power ON to OFF(automatic transmission)	• Exiting remote valet • Power-up reset • Board set from manual to automatic; power ON
2 slow flashes then 8 quick flashes	• Reset from manual to automatic	
3	• Entering ignition valet • Entering or exiting ready Mode	• Entering remote valet • Entering extended run time
4	• +12 V detected on the brake input wire either while cranking or during run time • Entering multi-speed tach programming	• Board set from automatic to manual; power ON • Power ON to OFF (manual transmission)
5 Fast	• Tach signal programmed • New transmitter programmed	
6	• A remote start was attempted while a tach-before-crank signal was detected before cranking	
8	• Unit reset	
10	• A ground (-) signal was detected on the hood pin input wire when attempting to remote start or during run time	
When pressing START/STOP 15 quick flashes	• The parking brake is connected to ground (automatic transmission)	
1 – pause – 2	• There was a remote start attempt while the vehicle was in valet mode • Failed start: vehicle's low battery voltage	
ON SOLID for 3 seconds….	…followed by 1 flash	• Exiting cold weather mode
	…followed by 3 flashes	• Entering cold weather mode
ON continuously	• **Idle mode:** Idle mode is engaged • **Run time:** The vehicle has been remote started and is in run time	
ON 2 seconds	• The hood has been opened and a ground (-) signal has been detected on the hood pin input wire	
ON 4 seconds	• Locking or unlocking a door (with door pulses configured to 4 sec.)	
ON 20 seconds	• The hood pin has been flashed and you now have access to the programming options	
Constant flashes up to 60 sec.	• In siren or horn mode: Alarm condition generated by an intrusion, by panic mode or when the system is powered up	

LIMITED LIFETIME WARRANTY

REMOTE STARTERS:
As the manufacturer, 4366859 Canada Inc. ("Autostart") warrants to the original consumer purchaser only (**nontransferable**) that the remote starter module (control box) shall be free from defects in materials and workmanship **for as long as the original consumer purchaser continuously owns the vehicle in which the remote starter was originally installed**, as specified below:

1) For the first two years after the date of manufacture, as specified by the serial number on the module, Autostart will replace the remote starter module free of charge with a new remote starter module.
2) For the third year and any consecutive year after the date of manufacture, as specified by the serial number on the module, Autostart will provide to the original consumer purchaser a new remote starter module, for a repair charge of $25.00 USD.

In all cases, the consumer must return the remote starter module to the point of purchase, and must provide a copy of the proof of purchase to said retailer. A remote starter module will be returned to the retailer for the consumer to claim within a 4 (four)-week period. For case (2), a certified cheque or money order in the amount of $25.00 USD must accompany the remote starter module, or the retailer may refuse the return.

ACCESSORIES:
Autostart warrants to the original consumer purchaser only (**nontransferable**) that it will replace any Autostart accessory part for a one-year period from date of purchase. Accessories will only be replaced if proven defective in material or workmanship, and if, when the accessory is returned to the point of purchase, the retailer is provided with a copy of the proof of purchase. The accessory will be sent to the retailer for the consumer to claim within a 4 (four)-week period.

THE WARRANTY IS VOID IF:

1) The product has been damaged, altered in any way or tampered with, without the explicit written consent of an Autostart technician. For remote starter modules, this includes the opening or removal of the plastic covering of the module, or the removal or alteration of the barcode label on the plastic covering of the module.
2) The product is damaged due to accident, fire, flood, shipping and handling, misuse, neglect, or other conditions beyond the control of Autostart.
3) The product has been installed or repaired by anyone other than a certified technician.
4) The product has been improperly installed or used.

THE WARRANTY DOES NOT COVER:

1) Batteries.
2) Scratched or worn transmitter cases.
3) Installation and/or removal charges for all remote starter modules and accessories.
4) Shipping and handling charges incurred for product exchange or replacement.
5) Any material damages other than to the product itself.
6) Harnessing, L.E.D. lights, switches, inverters, relays, etc.

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